

What is claimed is:

1. An air cleaner arrangement including:
  - (a) a housing having an inlet end and an opposite outlet end;
    - (i) the housing sidewall including an access cover removable from a remainder of the housing;
  - (b) a filter cartridge comprising:
    - (i) a z-filter media construction comprising media formed from a fluted sheet secured to a facing sheet; and, defining opposite inlet and outlet flow ends;
    - (ii) a filter cartridge sidewall construction surrounding the z-filter media construction, and having first and second, opposite, sides;
    - (iii) a seal arrangement comprising a rubber like member mounted on the filter cartridge for sealing with the housing;
    - (iv) a first projection arrangement extending outwardly from the first side of the filter construction sidewall construction; and, a second projection extending outwardly from the second side of the filter cartridge sidewall; and,
  - (c) first and second biasing and lock blades secured to the access cover and projecting along opposite sides of the filter cartridge;
    - (i) the first biasing and lock blade having a non-straight, contoured, forward edge in engagement with the first projection arrangement; and,
    - (ii) the second biasing and lock blade having a non-straight, contoured, forward edge in engagement with the second projection arrangement;
    - (iii) the forward edges of the biasing and lock blades engaging the filter cartridge to secure the filter cartridge in a sealing orientation.

2. An air cleaner arrangement according to claim 1 wherein:
  - (a) the filter cartridge includes two projections on the first side of the filter cartridge sidewall;
    - (i) the two projections on the first side being spaced axially and vertically different amounts; and
    - (ii) the two projections on the first side both being engaged by the forward edge of the first biasing and lock blade; and,
  - (b) the filter includes two projections on the second side of the filter cartridge sidewall;
    - (i) the two projections on the second side being axially and vertically spaced different amounts; and
    - (ii) the two projections on the second side both being engaged by the forward edge of the second biasing and lock blade.
3. An air cleaner arrangement according to claim 2 wherein:
  - (a) the first biasing and lock blade has a straight, rear, edge opposite the contoured front edge; and
  - (b) the second biasing and lock blade has a straight, rear, edge opposite the contoured front edge;
  - (c) the straight rear edges of the first and second biasing and lock arrangement being in contact with posts positioned on the housing sidewall and inside the housing.
4. An air cleaner arrangement according to claim 3 wherein:
  - (a) the contoured forward edge of the first biasing and lock blade has two straight edge sections separated by a ramp section; and,
  - (b) the contoured forward edge of the second biasing and lock blade has two straight edge sections separated by a ramp section.
5. An air cleaner arrangement according to claim 4 wherein:
  - (a) each one of the two projections on the first side of the filter cartridge sidewall, and which are engaged by the contoured, forward, edge of the first biasing and lock blade, is circular in cross-section; and

- (b) each one of the two projections on the second side of the filter cartridge sidewall, and which are engaged by the contoured, forward, edge of the second biasing and lock blade, is circular in projection.
- 6. An air cleaner arrangement according to claim 5 wherein:
  - (a) the media pack is a coiled z-filter media arrangement; and
  - (b) the filter cartridge sidewall has: four rounded corners; a first pair of opposite sides; and, a second pair of opposite sides.
- 7. An air filter cartridge arrangement comprising:
  - (a) a media pack including z-filter media comprising fluted media secured to facing media and defining inlet and outlet ends;
  - (b) a sidewall arrangement surrounding the media pack and secured to the media pack;
    - (i) the sidewall having first and second opposite sides;
    - (ii) the sidewall arrangement including a pair of first and second, axially and vertically spaced, projections on the first side; and
    - (iii) the sidewall arrangement including third and fourth, axially and vertically spaced, projections on the second side.
- 8. An air filter cartridge according to claim 7 wherein:
  - (a) the first, second, third and fourth projections each have a circular cross-section.